CONSERVATION PRACTICE PHYSICAL EFFECT WORKSHEET

NOTE: recorded in Microsoft word 6.0 - use tabs to change cells/fields (Revised 4/2002)

PRACTICE: 512 Pasture and Hayland Planting RESOURCE: SOIL RESOURCE CONCERN: EROSION RESOURCE INDICATORS SHEET AND RILL WIND WIND WIND Moderate to significant decrease because of increased vegetative cover. Negligible to moderate increase during establishment period depending on seedbed preparation, seeding method, and species planted. WIND WIND Moderate to significant decrease because of increased vegetative cover. Negligible to moderate increase during establishment period depending on seedbed preparation, seeding method, and species planted. WIND Slight to moderate decrease because of increased vegetative cover in watershed on long term. Potential for slight to moderate increase during establishment period depending on seedbed preparation, seeding method, and species planted. CLASSIC GULLY Slight to moderate decrease because of increased vegetative cover in watershed on long term. Potential for slight to moderate increase on short term because of lack of vegetative cover in watershed on long term. Potential for slight to moderate increase on short term because of lack of vegetative cover in watershed on long term. Slight decrease to slight increase on short term because of lack of vegetative cover in watershed on long term. Slight decrease to slight increase on short term because of lack of vegetative cover during establishment period. RRIGATION INDUCED Moderate to significant decrease because of protective vegetative cover. Soil MASS MOVEMENT Slight to moderate decrease because of soil binding by root mass and removal of soil moisture by increased transpiration. ROADBANK/CONSTRUCTION Slight to significant decrease because of improved plant	STATE STATE	FIELD OFFICE	o change cells/fields (Revised 4/2002) DATE
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transpiration.	SOIL MASS MOVEMENT		Slight to moderate decrease because of soil binding by root
North Milliam Construct Ton	ROADBANK/CONSTRUCTI	ON	
covers and soil binding by root mass on the watershed.	KONDDINING CONSTRUCTI	011	
OTHER	OTHER		
RESOURCE CONCERN: SOIL CONDITION	RESOURCE CONCERN: SC	IL CONDITION	
SOIL TILTH Moderate to significant decrease because of root	SOIL TILTH		Moderate to significant decrease because of root
development, litter accumulation, increased biological			development, litter accumulation, increased biological
activity and reduced tillage.	gove governous		·
SOIL COMPACTION Moderate to significant decrease because of root development, litter accumulation, increased biological	SOIL COMPACTION		
activity and reduced tillage.			
SOIL CONTAMINATION	SOIL CONTAMINATION		.,
• SALTS Slight decrease because planted to adapted species.	• SALTS		
Negligible decrease of selenium, boron, and heavy metals			
because of very limited uptake by pasture plants. Moderate to significant decrease because of increased	• ODC ANICS		because of very limited uptake by pasture plants. Moderate to significant decrease because of increased
	• UKGANICS		nutrient use by grasses and/or legumes. Slight potential for
increased leaching because of improved infiltration.			

FERTILIZERS	Slight to moderate decrease because of increased use of nutrients by pasture plants when compared to nutrient use of some crops. Slight potential for increased leaching because of improved infiltration.
• PESTICIDES	Moderate to significant decrease depending on pesticide problem and change in pesticide use when land use change. Slight potential for increased leaching because of improved infiltration.
• OTHER	
DEPOSITION/DAMAGE	
• ONSITE	Slight to moderate decrease because of decreased erosion in watershed.
• OFFSITE	Slight decrease because of decreased erosion in watershed.
DEPOSITION/SAFETY	
• ONSITE	Slight decrease because of decreased erosion in watershed.
• OFFSITE	Slight decrease because of decreased erosion in watershed.
OTHER	
RESOURCE: WATER	
RESOURCE CONCERN: WATER QUANTIT	Y
SEEPS	Moderate decrease because of increased plant uptake and transpiration. Slight to moderate increase because of increased infiltration.
RUNOFF/FLOODING	Slight to moderate decrease because of land cover, infiltration, and retardant of runoff.
EXCESS SUBSURFACE WATER	Slight to moderate decrease dependent on species used because of increased plant uptake and transpiration.
INADEQUATE OUTLETS	Slight decrease because of providing stable outlets for disposing of excess surface water.
WATER MGT. IRRIGATION	
• SURFACE	Insignificant
• SPRINKLER	Negligible to slight decrease because of selection of plant species adapted to the amount, frequency, and availability of irrigation water.
WATER MGT. NON-IRRIGATED	Slight to moderate decrease because of selection of plant species adapted to meet the seasonal distribution of moisture.
RESTRICTED FLOW CAPACITY (H20 convey.)	
• ONSITE	Slight to significant decreased because of increased protective vegetation, reduced runoff, and the chance for land conversion.
• OFFSITE	Slight to significant decrease because of increased protective vegetation, reduced runoff, and the chance for land conversion.
RESTRICTED STORAGE	Slight to moderate decrease because of increased protective vegetation and reduced runoff.
OTHER	

I XXIA DEED		
RESOURCE WATER		
RESOURCE CONCERN: WATER QUALITY		
RESOURCE INDICATORS	PHYSICAL EFFECTS	
GROUNDWATER CONTAMINANTS		
	Slight to moderate decrease because of land use change. Slight	
	potential for increased leaching of pesticide into ground water	
	pecause of increased infiltration.	
	Slight to moderate decrease because of increased uptake of nutrients by pasture plants. Slight potential for leaching of nutrients into	
	ground water because of increased infiltration.	
	Slight to moderate decrease because of plant uptake when adapted	
	pasture plant species are used. Slight potential for leaching of	
	nutrients into ground water because of increased infiltration.	
	Negligible to slight decrease because of plant uptake when planted to	
ac	dapted species. Slight potential for leaching of heavy metals into	
	ground water because of increased infiltration.	
	Slight to moderate decrease because of increased soil microbiological	
	activity. Slight to moderate potential increase when a land use change	
	orings in more stock or brings in more applied waste.	
OTHER CHEEA CE WATER CONTAMINANTS		
SURFACE WATER CONTAMINANTS	Nicht to me denote decrease them there in 1 1 1 1 1 1 C	
	Slight to moderate decrease when change in land use and decrease of unoff because of improved vegetative cover.	
	Slight to significant decrease because of improved vegetative cover	
	and decrease of runoff.	
	Slight to moderate decrease because of improved vegetative cover	
	and reduction of runoff and sediment.	
LOW DISSOLVED OXYGEN S	Slight to moderate decrease because of decreased runoff of sediment,	
	nutrients, and organic.	
• SALINITY N	Negligible decrease because of limited uptake by pasture plants.	
HEAVY METALS	Negligible decrease because of limited uptake by pasture plants.	
• WATER TEMPERATURE N	Negligible	
• PATHOGENS S	Slight decrease or increase because of changes in land use. However,	
	negative effects of a change in land use to pasture may be offset	
	because of improved vegetative cover and increased soil	
	microbiological activity.	
	Slight decrease because of improved vegetative cover, reduced	
OTHER	ediment, turbidity, organic, and other chemicals.	
RESOURCE: AIR		
	V	
RESOURCE CONCERN: AIR QUALITY		
AIRBORNE SEDIMENT AND SMOKE		
PARTICLES ONSITE SAFETY S	light to moderate degrades because of increased vecetative access	
	Slight to moderate decrease because of increased vegetative cover. Slight increase because of site disturbance during establishment	
	period depending on method of seedbed preparation and location.	
	Slight to moderate decrease because of increased vegetative cover.	
	Slight increase because of site disturbance during establishment	
	period depending on method of seedbed preparation and location.	
	Slight to moderate decrease because of increased vegetative cover.	

	Slight increase because of site disturbance during establishment
	period depending on method of seedbed preparation and location.
OFFSITE STRUCT. PROBLEMS	Slight to moderate decrease because of increased vegetative cover.
	Slight increase because of site disturbance during establishment
	period depending on method of seedbed preparation and location.
ONSITE HEALTH	Slight to moderate decrease because of increased vegetative cover.
	Slight increase because of site disturbance during establishment
	period depending on method of seedbed preparation and location.
OFFSITE HEALTH	Slight to moderate decrease because of increased vegetative cover.
	Slight increase because of site disturbance during establishment
	period depending on method of seedbed preparation and location.
AIRBORNE SEDIMENT CAUSING	Slight to moderate decrease because of increased vegetative cover.
CONVEYANCE PROBLEMS	Slight increase because of site disturbance during establishment
	period depending on method of seedbed preparation and location.
AIRBORNE CHEMICAL DRIFT	Slight to moderate increase because of potential for chemical drift
	and volatilization dependent on method, weather conditions, and
	chemicals used for weed control during establishment period.
AIRBORNE ODORS	Negligible
FUNGI, MOLDS, AND POLLEN	Slight increase because of greater variety of plants.
OTHER	
RESOURCE CONCERN: AIR CONDI	ΓΙΟΝ
AIR TEMPERATURE	Slight to moderate decrease because of absorption of solar radiation
AIR TEWI ERATURE	and increased transpiration.
AID MOVEMENT (windbreak effect)	
AIR MOVEMENT (windbreak effect)	Negligible Slight to moderate increase because of increased transmiration
HUMIDITY	Slight to moderate increase because of increased transpiration.
OTHER	

RESOURCE: PLANT	
RESOURCE CONCERN: SUITABILIT	Y
RESOURCE INDICATORS	PHYSICAL EFFECTS
SITE ADAPTATION	Significant decrease because of selection of well adapted species.
PLANT USE	Significant decrease because of selection of species to meet needs and objectives.
OTHER	
RESOURCE CONCERN: CONDITION	
PRODUCTIVITY	Significant decrease because of proper species selected.
HEALTH, VIGOR, SURVIVAL	Significant decrease because of proper species selected and management for establishment.
OTHER	
RESOURCE CONCERN: MANAGEME	ENT
ESTAB., GROWTH, HARVEST	Significant decrease because of proper species selection and planting techniques.
NUTRIENT MANAGEMENT	Significant decrease because of application of proper plant nutrients during establishment.
PESTS	Significant decrease because of control of pest during establishment
THREAT/ENDANGERED PLANTS	Significant decrease because of control of pest during establishment

OTHER	
RESOURCE: ANIMAL	
RESOURCE CONCERN: HABITAT	
FOOD	Moderate to significant decrease because of selection of proper species.
COVER/SHELTER	Slight to significant decrease because of improved vegetative cover depending on plant species selected and animals of concern.
WATER (QUANTITY & QUALITY)	Moderate to significant decrease because of improvement I quality of runoff water. Slight to moderate increase or decrease because of decreased runoff for ponds, but increased inter-flow for seeps, springs,
OTHER	
RESOURCE CONCERN: MANAGEME	CNT
POPULATION BALANCE	Slight to significant decrease because of selection of higher production plants and timeliness of production to meet seasonal needs and increased habitat quality.
THREAT/ENDANGERED ANIMALS	Slight to significant decrease because of proper species for improved seasonal animal nutrition.
HEALTH	N/A
OTHER	
RESOURCE: HUMAN	
RESOURCE CONCERNS: ECONOMIC	CCONSIDERATIONS
PLAN / COST EFFECTIVENESS	N/A
CLIENT FINANCIAL CONDITION	N/A
MARKETS FOR PRODUCTS	N/A
AVAILABLE LABOR	N/A
AVAILABLE EQUIPMENT	N/A

RESOURCE: HUMAN	
RESOURCE CONCERN: SOCIAL CONSIDERATIONS	
RESOURCE INDICATORS	PHYSICAL EFFECTS
PUBLIC HEALTH AND SAFETY	N/A
PRIVATE/PUBLIC VALUES	N/A
CLIENT CHARACTERISTICS	N/A
RISK TOLERANCE	N/A
TENURE	N/A
OTHER	
RESOURCE CONCERN: CULTURAL	CONSIDERATIONS
ABSENCE/PRESENCE OF CULTURAL RESOURCES	N/A
SIGNIFICANCE OF CULTURAL RESOURCES	N/A
MITIGATION OF NEGATIVE CULTURAL RES. IMPACTS	N/A
OTHER	